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| **Steel plates, shapes, bars and strip** | *AAR A516 Grade 70 Pressure Vessel Plates For Tank Car Tanks*  *AAR TC128 Grade B Steel*  ~~ASTM A36 Structural Steel~~~~a/~~  *ASTM A240 304/304L Stainless Steel*  *ASTM A240 316/316L Stainless Steel*  ASTM A242 Structural Steel  ~~ASTM A283 Structural Plates, Grades A, B, C, D~~~~b/~~  ASTM A455 Plates, Pressure Vessel (0.31 carbon max.)  ASTM A529 Bars and Shapes  ASTM A1011 Sheet and Strip  ASTM A572 Structural Steel, all Grades, all grades, ~~Type 2~~  ASTM A575 Bars, Merchant Quality, AISI Grades 1008-1025, inclusivec/  ASTM A576 Bars, Special Quality, AISI Grades 1008-1026, inclusivec/  ASTM A612 Plates, Pressure Vessel  CSA G40.21, Types W, WT, A and AT |
| **Forgings** | ASTM A105 Steel  *ASTM A106 Seam Carbon Steel Pipe for High-Temperature Service*  ASTM A181 Steel, Classes 60 and 70  ASTTM A182 Alloy Steel  ASTM A350 Low Temperature Steel  *ASTM A961 Common Requirements for Steel Flanges, Gorged Fittings, Valves, and Parts for Piping Applications* |
| **Aluminum bars, rods, and shapes** | ASTM B211 Rolled Bars, Rods  ASTM B221 Extruded Bars, Rod Shapes  ASTM B308 Structural Shapes, Rolled or Extruded Alloy 6061-T6 |
| **~~Nickel~~** | ~~ASTM B160 Rod and Bar~~ |
| **Steel pipe and tubes**  **Steel pipe and tubes**  (continued) | ASTM A53 Welded and Seamless Pipe  ASTM A106 Seamless Pipe  ~~ASTM A161 Seamless Tubes~~ *(Withdrawn by ASTM)*  ASTM A178 Welded Tubes  ASTM A192 Seamless Tubes  *ASTM A500 Cold-Formed Welded and Seamless Carbon Structural Steel*  ASTM A512 Welded Mechanical Tubing, AISI and MT Grades 1010-1025, inclusive  ASTM A513 Welded Mechanical Tubing, AISI and MT Grades 1008-1026, inclusived/  ASTM A519 Seamless Mechanical Tubing, AISI and M Grades 1008-1026, inclusive |
| **Stainless steel pipe and tubes** | ASTM A269 Seamless and Welded Tubinge/  ASTM A312 Seamless and Welded Pipe  ASTM A511 Seamless Steel Mechanical Tubingf/ |
| **Aluminum tubing** | ASTM B210 Drawn Seamless Tubes  ASTM B221 Extruded Tubes  ASTM A241 Extruded Seamless Pipe and Tubes |
| **~~Nickle pipe and tubes~~** | ~~ASTM B161 Seamless Pipe and Tubes~~ |

Notes:

~~a/~~ ~~Not for pressure car or DOT-111A100W4 parts subject to tank internal pressure.~~

~~b/~~ ~~Not for parts subject to tank internal pressure.~~

c/ Not for tank nozzles or nozzle reinforcement.

d/ Option for hydrostatic test may be specified.

e/ Not for tank nozzles or reinforcements unless tensile properties are determined equal to ASTM A312.

f/ Annealed austenitic grades only and supplementary requirement S2, tensile test, must be included.